

Thompson John David
 Form 4
 July 18, 2011

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549**

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Thompson John David

(Last) (First) (Middle)
 1050 17TH STREET, SUITE 800
 (Street)

DENVER, CO 80265

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 CoreSite Realty Corp [COR]

3. Date of Earliest Transaction
 (Month/Day/Year)
 07/15/2011

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership Indirect Beneficial Ownership (Instr. 4) | | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|-----|-------|
| | | | | (A) or (D) | Code | V | Amount | (D) | Price |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) |
|--|------------------------------------|--------------------------------------|--|--------------------------------|-------------------------|--|---|--|
|--|------------------------------------|--------------------------------------|--|--------------------------------|-------------------------|--|---|--|

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| Derivative Security | | | Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
|-----------------------|-----|------------|---|----|------------------|-----------------|--------------|----------------------------|------|
| | | | Code | V | | | | | |
| Restricted Stock Unit | (1) | 07/15/2011 | A | 37 | (2) | (3) | Common Stock | 37 | \$ 0 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Thompson John David 1050 17TH STREET SUITE 800 DENVER, CO 80265 | X | | | |

Signatures

/s/ Derek S. McCandless,
attorney-in-fact

07/18/2011

**Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Each Restricted Stock Unit ("RSU") represents the right to receive one share of Common Stock. The reporting person also holds a tandem

(1) Dividend Equivalent ("DE") for each RSU held, which gives the reporting person the right to receive, upon the payment of any ordinary quarterly cash dividend paid to holders of Common Stock, an equivalent payment in the form of additional RSUs and DEs.

(2) The RSUs will vest on September 28, 2011, and thereafter will be payable upon the reporting person's termination of service as a director.

(3) The RSUs have no expiration date.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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